

EMPLOYEE OCCUPATIONAL HEALTH COMMUNICATIONS
BEAUMONT WORKS SUBSTANCES ASSESSED BY DUPONT
OR REGULATED BY GOVERNMENT AS HAVING CARCINOGENIC PROPERTIES

SUBSTANCE	HOW USED	LOCATIONS OF USE
Acrylonitrile (ACRN)	Manufactured in the ACRN area; shipped via rail car and marine transport vessels. Routine laboratory quality control analysis.	ACRN Manufacturing Area, Dock, Transmission Piping, PD Laboratory
Asbestos	Formerly but no longer used as a major component of insulation; corrugated building sidings and roofing. Miscellaneous other current applications, such as gaskets and packing materials, some piping.	Present throughout most of the older areas of the plant; several applications of limited use as a component of other materials.
Benzene	Used as an ingredient in the manufacture of aniline; routine laboratory analyses.	Dock, received in barges, stored in tanks near dock, pumped via pipelines to Aniline Manufacturing Area where it is present throughout the unit. Quality control laboratory.
Butadiene	Used as an ingredient in the manufacture of "Norden" raw material for Monomer "C".	Dock road storage tanks, Monomer "C" area in "Norden".
Carbon Tetrachloride (CCl ₄)	Used as an ingredient in the manufacture of "Hypalon" synthetic rubber; routine laboratory analyses; process experimental work.	Received in rail cars; present throughout the "Hypalon" Manufacturing Area. Present in quality control lab, research lab, "Hypalon" semiworks.
Chloroform (CHCl ₃)	Used as an ingredient in the manufacture of "Hypalon" synthetic rubber; routine laboratory analyses; process experimental work.	Received in rail cars; present throughout the "Hypalon" manufacturing Area. Present in quality control lab, research lab, "Hypalon" semiworks.
Hydrazine	Used as a water treatment chemical--added to water fed to high pressure steam boilers.	Received in metal drums; present in the Methanol and Ammonia Manufacturing Areas in water treatment operations.
Ethylene Dibromide (EDB)	Used as an ingredient in lead alkyl motor fuel antiknock compound blending.	Received in rail cars; present in TEL Area.
Perchloroethylene (Perclene)	Used as a seal fluid.	Received and stored in drums (limited applications in "Hypalon" Area).

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EMPLOYEE OCCUPATIONAL HEALTH COMMUNICATIONS

BEAUMONT WORKS SUBSTANCES ASSESSED BY DU PONT AS EMBRYOTOXINS REQUIRING SPECIAL CONTROLS OR REGULATED BY GOVERNMENT AS REPRODUCTIVE HAZARD

SUBSTANCE	HOW AND WHERE USED
Lead and its Compounds	Metallic lead is used in limited applications as a material of construction in Aniline Manufacturing Area and in small quantities in the quality control laboratory. Tetraethyllead and tetramethyllead are received by marine and rail transport vessels, unloaded and blended into motor fuel antiknock compounds in the TEL Area, and shipped from the plant via marine transport, rail and motor vehicles. Lead is also routinely used in some solders in various applications throughout the plant.
Lithium Compounds	Currently, lithium compounds are present in certain greases used on the plant in numerous applications and in the quality control laboratory. Lithium bromide solution will be used in a future refrigeration system to be installed in the Acrylonitrile Area.
Ethylene Dibromide (EDB)	Received in railroad tank cars, used in TEL Area as an ingredient in lead alkyl antiknock compounds. (USHA has proposed to regulate EDB as a carcinogen and as a reproductive hazard; proposal under review.)

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